

Helena

**Asset® Starter**

FOR CORN

LIQUID FERTILIZER COMPATIBLE FORMULATION

GUARANTEED ANALYSIS

Sulfur (S) .....	3.60%
3.60% Combined Sulfur (S)	
Copper (Cu) .....	0.25%
0.25% Water Soluble Copper (Cu)	
Iron (Fe) .....	0.90%
0.90% Water Soluble Iron (Fe)	
Manganese (Mn) .....	0.90%
0.90% Water Soluble Manganese (Mn)	
Zinc (Zn) .....	4.00%
4.00% Water Soluble Zinc (Zn)	

Derived from copper sulfate, iron sulfate, manganese sulfate and zinc sulfate.

ALSO CONTAINS THE NON-PLANT FOOD INGREDIENT, ASSET®.

Contains Protected Technology

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Inside Panel for Additional Precautionary Statements.

SN 0202/0107

NET CONTENTS: 5 gal (18.92 L)

NET WEIGHT: 50.71 lbs (23.0 kg)

WEIGHT PER GALLON: 10.14 lbs. (4.6 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

F224

MANUFACTURED FOR  
HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TN 38017

**PRECAUTIONARY STATEMENTS****CAUTION**

**BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITION OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.**

May be harmful if swallowed, inhaled, or absorbed through skin. May cause eye irritation. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. Do not apply this product in such a manner as to directly expose workers or other persons. In addition, follow precautionary statements on accompanying pesticide label(s).

**WHAT TO DO IN CASE OF CONTACT:**

**IF INHALED:** Move victim to fresh air. Give artificial respiration if needed. See a physician.

**IF SWALLOWED:** Give a large amount of water to drink, make person vomit and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Immediately flush eyes with clean water for at least 15 minutes. Call a physician if irritation persists.

**IF ON SKIN:** Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

If contact is made with a spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label(s).

**STORAGE AND DISPOSAL**

Store in original container only. Keep packages tightly closed and do not allow water to be introduced to container contents. Do not store this product near heat or open flame. This product will freeze at temperatures less than 30°F. Thawing occurs readily at temperatures greater than 32°F.

**Container Disposal:** Empty packaging should be offered for recycling or disposal in accordance with Federal, State and Local authorities. If packaging is burned, stay out of smoke.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

**GENERAL INFORMATION**

ASSET® STARTER FOR CORN is a specialized blend of micronutrients and the proprietary non-plant food additive Asset®. This product contains a mixture of micronutrients designed especially for use with starter fertilizers, such as 10-34-0 and 11-37-0, that are applied to corn, milo, and sorghum. ASSET® STARTER FOR

CORN contains 4.0% Zinc, 0.9% Manganese, 0.9% Iron, 0.25% Copper and 3.6% combined Sulfur.

**SPRAY MIX COMPATIBILITY**

Applications of ASSET® STARTER FOR CORN with pesticides are possible provided that good agitation of the spray mix is maintained. Always check compatibility prior to mixing and apply the spray mix as soon as possible. Follow the mixing sequence below:

1. Water
2. ASSET® STARTER FOR CORN
3. Pesticides

ASSET® STARTER FOR CORN is compatible with most liquid fertilizer/pesticide spray mixes at manufacturers specified label rates. However, it is recommended that a "jar test" be performed prior to actual application. In the event of fertilizer/pesticide compatibility problems, the addition of a stabilizing/compatibility agent is recommended.

1. Water
2. Fertilizer
3. ASSET® STARTER FOR CORN
4. Approved compatibility agent (if needed according to jar test)
5. Pesticides

**SOIL APPLICATIONS**

For in-furrow, banded, side dressed and broadcast applications through conventional equipment, use ASSET® STARTER FOR CORN at the rate of 32-64 oz. (1-2 quarts) per acre. Best results are obtained when ASSET® STARTER FOR CORN is incorporated, injected, or applied alone in a zone or band in the soil, or with fertilizer at a minimum depth of two (2) to four (4) inches. The recommendations for use of this product are based upon the best current information available.

ASSET® STARTER FOR CORN may be impregnated on most dry nitrogen fertilizers and/or blends that are composed of at least 50% of a combination of urea, nitrate, or ammonium phosphate. Uniform application of the material is necessary to ensure optimum results.

**CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**

**Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full price will be refunded.**

This label is believed to be reliable and should be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to, subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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**DISCLAIMER:** Always refer to the label on the product before using Helena or any other brand product. VID 1.31.07

# ASSET STARTER FOR CORN

Helena Chemical Company  
 PH: 901-761-0050  
 CHEMTREC: 1-800-424-9300  
 Effective Date: 02-05-00  
 Product: ASSET STARTER FOR CORN

## I. IDENTIFICATION

**Chemical Name:** NOT APPLICABLE, FORMULATED MIXTURE  
**Chemical Family:** INORGANIC METAL SALT  
**Formula:** NOT APPLICABLE, FORMULATED MIXTURE  
**Synonyms:** NONE  
**CAS Number:** NOT APPLICABLE, FORMULATED MIXTURE  
**EPA Number:** NONE REQUIRED

## II. PHYSICAL DATA

**Boiling Point:** >100 DEGREES C.  
**Freezing Point:** <30 DEGREES F.  
**Spec Gravity:** 1.215 GMS/CC  
**Vapor Pressure:** NOT ESTABLISHED  
**Vapor Density:** NOT ESTABLISHED  
**Solubility:** 99%  
**Volatiles:** <0.5%  
**Evaporation:** NOT ESTABLISHED  
**Melting Point:** NOT APPLICABLE  
**Appearance:** CLEAR DARK BROWN LIQUID, AMMONIA ODOR

## III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF MANGANESE SULFATE, IRON SULFATE, COPPER SULFATE, ZINC SULFATE AND CARBOXYLIC ACID		100.00	15 MG/M3	SEVERE EYE & MILD SKIN IRRITANT

## IV. FIRE AND EXPLOSION HAZARD

**Flash Point:** NON-COMBUSTIBLE  
**Autoignition Temp:** NOT APPLICABLE  
**Flammable Limit:** NOT APPLICABLE  
**Extinguishing Media:** NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.  
**Special Fire Fight Proc:** WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.  
**Fire and Expl Hazard:** PRODUCT GENERATES TOXIC AND IRRITATING FUMES UNDER FIRE CONDITIONS.

## V. HEALTH HAZARD

**Carcinogen Information:** NONE CURRENTLY KNOWN.  
**ACUTE EFFECTS OF OVER EXPOSURE**  
**Swallowing:** RESULTS IN VOMITING AND ABDOMINAL CRAMPS.  
**Skin Absorption:** MAY BE HARMFUL BY SKIN ABSORPTION.  
**Inhalation:** INHALATION MAY CAUSE IRRITATION TO NOSE AND THROAT.  
**Skin contact:** MAY CAUSE SKIN IRRITATION.  
**Eye Contact:** MAY CAUSE EYE IRRITATION.  
**Chronic Effects:** NONE CURRENTLY KNOWN.  
**Other Hazard:** NONE CURRENTLY KNOWN.  
**EMERGENCY AND FIRST AID PROCEDURES**  
**Swallowing:** IF SWALLOWED, CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER.

**Skin:** WASH SKIN WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Inhalation:** MOVE VICTIM TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Eyes:** FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN IF IRRITATION PERSISTS.

**Notes to Physician:** IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

## VI. REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** NONE CURRENTLY KNOWN

**Polymerization:** Will Not Occur

**Conditions to Avoid:** NONE CURRENTLY KNOWN.

**Incompatibility material:** PRODUCT MAY REACT VIGOROUSLY WITH ACIDIC MATERIALS.

**Hazardous Combustion:** MAY PRODUCE AMMONIA GAS AND OXIDES OF CARBON UNDER FIRE CONDITIONS.

## VII. SPILL OR LEAK PROCEDURES

**Spill or Leak Proc:** CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND REUSE PRODUCT. IF CONTAMINATED, ABSORB MATERIAL AND PLACE IN CHEMICAL WASTE CONTAINERS FOR PROPER DISPOSAL.

**Waste Disposal Method:** THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiration:** NONE NEEDED UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS OR IF VAPORS EXCEED TLV, USE NIOSH-APPROVED RESPIRATOR.

**Ventilation:** LOCAL EXHAUST SUFFICIENT.

**Gloves:** IMPERVIOUS

**Eyes:** SPLASH PROOF GOGGLES.

**Other:** EMERGENCY SHOWER, EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

## IX. SPECIAL PRECAUTIONS

**Special precaution:** KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. PROTECT AGAINST PHYSICAL DAMAGE.

**Other precaution:** KEEP SEPARATE FROM OXIDIZING AND ACIDIC MATERIALS.

## X. SHIPPING INFORMATION

**Shipping name:** NOT REGULATED BY DOT, IATA, OR IMO

**Hazard Class:** NONE

**Identification No:** NONE

**Labels Required:** NONE

**Placarding:** NONE

**Freight Class:** COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER) LIQUID, NOIBN

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

## XI. GENERAL PRODUCT INFORMATION

**National Fire Protection Association Rating:**

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**Health:** 2

**Fire:** 0

**Reactivity:** 0

**S.A.R.A. Title III Hazard Classification:** (Yes/No)

**Immediate (Acute) Health:** Y

**Delayed (Chronic) Health:** N

**Sudden Release of pressure:** N

**Fire:** N

**Reactive:** N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017

Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.

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